

**2004**

**Virginia Department of Transportation  
Daily Traffic Volume Estimates  
Including Vehicle Classification Estimates**

where available

**Special Locality Report**

**130**

Town of South Boston

Prepared By

**Virginia Department of Transportation  
Mobility Management Division**

In Cooperation With

**U.S. Department of Transportation  
Federal Highway Administration**

Virginia Department of Transportation  
Mobility Management Division  
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled “Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes” includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled “Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99”.

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management’s Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

## **Publication Notes**

### **Parallel Roads**

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

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VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

**Route:** The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

**Length:** Length of the traffic segment in miles.

**AADT:** Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

**QA:** Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

**4Tire:** Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

**Bus:** Percentage of the traffic volume made up of busses.

**2Axle Truck:** Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

**3+Axle Truck:** Percentage of the traffic volume made up of single unit trucks with three or more axles.

**1Trail Truck:** Percentage of the traffic volume made up of units with a single trailer.

**2Trail Truck:** Percentage of the traffic volume made up of units with more than one trailer.

**QC:** Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

**K Factor:** The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

**QK:** Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

**Dir Factor:** The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

**AAWDT:** Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

**QW:** Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

**Year:** Year for which the published values are appropriate. If the Quality of AADT (QA) is “R”, the year is the year that the raw traffic count was collected, and if available,

## Route Shield Legend

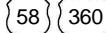
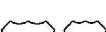
### Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	

### Special Routes

Bus 	Bus - Business Route
	Bypass - Bypass Route
Truck 	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

Virginia Department of Transportation  
Mobility Management Division  
2004  
Annual Average Daily Traffic Volume Estimates By Section of Route  
Town of South Boston

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
 34 Hedges Street	Town of South Boston	From: North Main St To: US 360	0.54	<b>2200</b>	<b>G</b>	98%	0%	1%	0%	0%	C	0.105	F	0.572	2400	G	
 58 360	Town of South Boston	From: US 501 Riverdale To: ECL South Boston	0.18	<b>13000</b>	<b>G</b>	83%	1%	1%	13%	1%	F	0.076	F	0.527	13000	G	
 129 North Main St	Town of South Boston	From: US 501 P; Wilborn Ave; Main St To: US 501; Broad St	0.09	<b>3600</b>	<b>G</b>	97%	0%	2%	1%	0%	0%	F	0.094	F	0.752	3900	G
 129 North Main St	Town of South Boston	From: US 501 Broad St To: SR 34 Hedges St	0.38	<b>4800</b>	<b>G</b>	97%	0%	2%	1%	0%	0%	C	0.101	F	0.515	5200	G
 129 North Main St	Town of South Boston	From: SR 34; Hedges St To: Edmunds St	0.16	<b>6100</b>	<b>G</b>	97%	0%	2%	1%	0%	0%	F	0.098	F	0.520	6600	G
 129 North Main St	Town of South Boston	From: Edmunds St To: College St	0.19	<b>6000</b>	<b>G</b>	94%	0%	2%	3%	1%	0%	F	0.098	F	0.511	6500	G
 129 North Main St	Town of South Boston	From: College St To: Hamilton Blvd	0.63	<b>5800</b>	<b>G</b>	94%	0%	2%	3%	1%	0%	F	0.103	F	0.501	6300	G
 129 North Main St	Town of South Boston	From: Hamilton Blvd To: NCL South Boston	0.88	<b>8300</b>	<b>G</b>	94%	0%	2%	3%	1%	0%	C	0.1	F	0.524	9000	G
 304 Seymour Dr	Town of South Boston	From: US 501 P; Main St To: US 501 Broad St	0.08	<b>3000</b>	<b>G</b>	98%	0%	1%	1%	1%	0%	F	0.097	F	0.611	3200	G
 304 Seymour Dr	Town of South Boston	From: US 501 Broad St To: Marshall St	0.38	<b>3800</b>	<b>G</b>	98%	0%	1%	1%	1%	0%	C	0.093	F	0.533	4100	G
 304 Seymour Dr	Town of South Boston	From: Marshall St To: US 360 John Randolph Blvd	0.25	<b>3400</b>	<b>G</b>	98%	0%	1%	1%	1%	0%	F	0.093	F	0.56	3700	G
 360 58	Town of South Boston	From: US 501 Riverdale To: CL South Boston	0.18	<b>13000</b>	<b>G</b>	83%	1%	1%	13%	1%	F	0.076	F	0.527	13000	G	
 360	Town of South Boston (Maint: 41)	From: CL South Boston To: SCL South Boston	0.16	<b>12000</b>	<b>G</b>	82%	1%	1%	2%	14%	1%	F	0.08	F	0.532	11000	G
 360	Town of South Boston (Maint: 41)	From: SCL South Boston To: SR 304 Seymour Dr	0.52	<b>11000</b>	<b>G</b>	82%	1%	1%	2%	14%	1%	F	0.077	F	0.606	11000	G
 360	Town of South Boston (Maint: 41)	From: SR 304 Seymour Dr To: SR 34 Hedges St	0.44	<b>12000</b>	<b>G</b>	82%	1%	1%	2%	14%	1%	F	0.078	F	0.512	12000	G
 360	Town of South Boston (Maint: 41)	From: SR 34 Hedges St To: Hamilton Blvd	0.09	<b>11000</b>	<b>G</b>	82%	1%	1%	2%	14%	1%	F	0.071	F	0.594	10000	G

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Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW														
							2Axle	3+Axle	1Trail	2Trail																				
 501	Town of South Boston	From: US 58; SCL South Boston	0.46	<b>18000</b>	<b>G</b>	95%	1%	1%	0%	2%	0%	C	0.090	F	0.588	18000	G													
		To: Old SCL South Boston																												
 501 Main St	Town of South Boston	From: Old SCL South Boston	0.07	<b>18000</b>	<b>G</b>	95%	1%	1%	0%	2%	0%	F	0.093	F	0.547	19000	G													
		To: Broad St																												
 501 Broad St	Town of South Boston	From: Broad St	0.09	<b>7500</b>	<b>G</b>	95%	1%	1%	0%	2%	0%	F	0.089	F	8100	G														
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
 501 Broad St	Town of South Boston	To: SR 304 Seymour Dr	0.22	<b>8400</b>	<b>G</b>	95%	1%	1%	0%	2%	0%	C	0.088	F	9000	G														
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
 501 Broad St	Town of South Boston	From: SR 129; N Main St	0.26	<b>7000</b>	<b>G</b>	95%	1%	1%	0%	2%	0%	F	0.091	F	7600	G														
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
 501 Broad Street Ext.	Town of South Boston	From: 130-6 Third St	0.18	<b>6300</b>	<b>G</b>	95%	1%	2%	0%	2%	0%	C	0.089	F	6800	G														
		To: 134-4700 Edmunds St																												
 501 Broad Street Ext.	Town of South Boston	From: 134-4700 Edmunds St	0.24	<b>6300</b>	<b>G</b>	95%	1%	2%	0%	2%	0%	F	0.090	F	6800	G														
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
 501 Broad Street Ext.	Town of South Boston	From: Webster St	0.68	<b>16000</b>	<b>G</b>	95%	1%	2%	0%	2%	0%	F	0.086	F	0.546	18000	G													
		To: 130-4702 Hamilton Blvd																												
 501 Halifax Rd	Town of South Boston	From: Old NCL South Boston	0.69	<b>18000</b>	<b>G</b>	95%	1%	2%	0%	2%	0%	F	0.086	F	0.513	19000	G													
		To: Old NCL South Boston																												
 501	Town of South Boston	From: N SR 129	0.79	<b>19000</b>	<b>G</b>	95%	1%	2%	0%	2%	0%	F	0.087	F	0.557	19000	G													
		To: N CL South Boston																												
 501 Main St	Town of South Boston	From: US 501 Broad St	0.07	<b>7100</b>	<b>G</b>	94%	0%	1%	1%	3%	0%	F	0.089	F	7600	G														
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
 501 Main St	Town of South Boston	To: SR 304 Seymour Dr	0.18	<b>10000</b>	<b>G</b>	94%	0%	1%	1%	3%	0%	C	0.087	F	11000	G														
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
 501 Wilborne Ave	Town of South Boston	From: SR 129; N Main St	0.26	<b>8800</b>	<b>G</b>	94%	0%	1%	1%	3%	0%	F	0.093	F	0.549	9500	G													
		To: SR 129; N Main St																												
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																												
		To: Third St																												

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Route	Jurisdiction	Length	<b>AADT</b>	<b>QA</b>	4Tire	Bus	Truck				QC	K Factor	Dir Factor	AAWDT	QW
							2Axe	3+Axe	1Trail	2Trail					
501 Wilborne Ave	Town of South Boston	0.57	<b>12000</b>	<b>G</b>	94%	0%	1%	1%	3%	0%	F	0.09	F	0.649	13000 G

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Route	Length	AADT	QA	4Tire	Bus	Truck					QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail								
<b>Town of South Boston</b>																	
(1) Railroad Ave	0.36	770	G	96%	1%	1%	1%	0%	0%		C	0.090	F	0.526	830	G	2004
(1) Railroad Avenue	0.18	860	G	96%	1%	1%	1%	0%	0%		F	0.104	F	0.529	930	G	2004
(2) Riley Ave	0.16	1100	G	99%	0%	1%	0%	0%	0%		C	0.098	F	0.504	1200	G	2004
(3) Seymour Dr	0.11	1800	G	95%	0%	2%	1%	2%	0%		C	0.109	F	0.567	1900	G	2004
(4) Vaughan St	0.35	870	G	97%	1%	2%	1%	0%	0%		C	0.104	F	0.5	940	G	2004
(5) Webster St	0.61	970	G	98%	0%	1%	0%	0%	0%		C	0.092	F	0.606	1100	G	2004
(6)	0.14	590	G	From: US 501; 3rd St						0.123	F				640	G	2004
(4700) Berry Hill Rd	1.13	2400	G	98%	0%	1%	0%	0%	0%		C	0.095	F	0.517	2600	G	2004
(4700) Berry Hill Rd	0.20	3400	G	98%	0%	1%	0%	0%	0%		F	0.101	F	0.530	3700	G	2004
(4700) Edmunds St	0.06	3500	G	97%	0%	2%	0%	0%	0%		C	0.088	F	0.524	3800	G	2004
(4700) Edmunds St	0.45	2000	G	97%	0%	2%	1%	0%	0%		C	0.102	F	0.589	2100	G	2004
(4700) Edmunds St	0.54	980	G	99%	0%	0%	0%	0%	0%		C	0.110	F	0.568	1100	G	2004
(4701) Marshall Ave	0.15	1100	G	97%	1%	2%	0%	0%	0%		F	0.132	F	0.546	1100	G	2004
(4701) Marshall Ave	0.41	1300	G	97%	1%	2%	0%	0%	0%		C	0.133	F	0.582	1400	G	2004
(4702) Hamilton Blvd	0.37	3100	G	97%	0%	1%	0%	0%	0%		C	0.102	F	0.653	3300	G	2004
(4702) Hamilton Blvd	0.70	6200	G	91%	1%	2%	0%	5%	0%		C	0.097	F	0.565	6700	G	2004
(4702) Hamilton Blvd	1.26	6200	G	94%	0%	2%	1%	3%	0%		C	0.094	F	0.538	6700	G	2004
(4704) College St	0.80	1300	G	97%	0%	2%	0%	0%	0%		C	0.095	F	0.504	1400	G	2004
(4710) Jeffress St	0.20	1000	G	96%	2%	1%	0%	0%	0%		C	0.112	F	0.55	1100	G	2004
(4710) Fenton St	0.19	730	G	95%	4%	1%	0%	0%	0%		C	0.136	F	0.553	790	G	2004
(4713) Watkins Ave	0.61	2900	G	97%	0%	2%	1%	1%	0%		C	0.102	F	0.542	3100	G	2004

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of South Boston</b>																
Carrington Street		NA				From:	Tanglewylde Dr					NA		NA		
						To:	Noblin Ave									
Carrington Street		NA				From:	Tanglewylde Dr					NA		NA		
						To:	Noblin Ave									
College Street	670	G				From:	Llewellyn Avenue				0.116	F	0.557	670	G	2004
						To:	Washington Avenue									
Greenway Dr		NA				From:	Wilborn Ave					NA		NA		
						To:	Norwood Ave									
Ridge Street	440	G				From:	Spring Avenue				0.117	F	0.577	440	G	2004
						To:	Alderson Avenue									
Robin Hood Rd		NA				From:	Halifax Rd					NA		NA		
						To:	Nottingham Dr									